

## EAST Search History

| Ref # | Hits | Search Query  | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|---|--|------------------|---------|------------------|
| L1    | 31   | (US-20060226240-\$ or US-20020020491-\$).did. or (US-6437846-\$ or US-6402039-\$ or US-4931623-\$ or US-4876441-\$ or US-4797542-\$ or US-5710693-\$ or US-5502617-\$ or US-5135095-\$ or US-4975895-\$ or US-4795895-\$ or US-6067526-\$ or US-4918631-\$ or US-4144705-\$ or US-5880795-\$ or US-4690510-\$).did. or (DE-19963165-\$ or DE-19954841-\$).did. or (JP-11120312-\$ or JP-2001067452-\$).did. or (JP-2003263619-\$ or WO-200135160-\$ or US-4876441-\$ or FR-2788349-\$ or DE-19963165-\$ or KR-2002009008-\$ or US-6050494-\$ or TW-234836-\$ or EP-435029-\$ or DE-3307356-\$).did. | US-PGPUB; USPAT; EPO; JPO; DERWENT                       | SAME             | ON      | 2007/03/07 07:53 |
| S1    | 1    | 10/525515.app.  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME             | ON      | 2007/02/20 09:23 |
| S3    | 1939 | 349/113.ccls.   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME             | ON      | 2007/02/21 12:53 |
| S4    | 17   | S3 and card   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME             | ON      | 2007/02/21 12:53 |
| S5    | 0    | S3 and "data carrier"   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | SAME             | ON      | 2007/02/21 12:54 |

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| S6  | 3418 | 235/492.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/02/21 13:11 |
| S7  | 1019 | S6 and display   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/02/21 13:11 |
| S9  | 4383 | chip card display  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/02/21 13:17 |
| S10 | 160  | S9 and S6  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/02/21 13:12 |
| S11 | 448  | chip card liquid crystal display   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/03/06 17:51 |
| S12 | 22   | ("4876441" or "4975895" or "2002020491").pn. or (DE-19954841\$ or DE-1996315\$). did.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/02/21 13:33 |
| S13 | 11   | ("4876441" or "4975895" or "2002020491").pn. or (DE-19954841\$ or DE-19963165\$). did. | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/02/21 13:33 |

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|-----|------|---|--|------|----|------------------|
| S14 | 10   | ("4876441" or "4975895" or "20020020491").pn. or (DE-19954841\$ or DE-19963165\$). did. | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/02/21 13:33 |
| S15 | 718  | smart card liquid crystal display   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/02/21 17:29 |
| S16 | 1042 | S15 xor S11   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/02/21 17:30 |
| S17 | 1104 | S15 or S11  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/02/21 18:09 |
| S18 | 62   | S15 and S11   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/02/21 17:30 |
| S19 | 402  | S17 and (hole or opening or recess or depression)                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/02/21 18:09 |
| S21 | 1    | 2004wo-ep01129.ap,prai..  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/02/22 08:00 |

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| S22 | 2     | "4975895".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/02/22 13:11 |
| S23 | 2     | "4795895".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/02/22 13:11 |
| S24 | 29    | ("4876441").URPN.  | USPAT  | SAME | ON | 2007/02/22 13:14 |
| S25 | 68    | ("4380699"   "4558427"  <br>"4670664"   "4677657"   "4692601"<br>  "4704003"   "4746787"  <br>"4749982"   "4754418"   "4797542"<br>  "4868376"   "4876441"  <br>"4918631"   "4954985"   "5055968"<br>  "5142510"   "5146068"  <br>"5276311"   "5315377"   "5359183"<br>  "5380991"   "5477038"  <br>"5517011"   "5537314"   "5558957"<br>  "5590038"   "5594493"  <br>"5625477"   "5636044"   "5638194"<br>  "5682294"   "5693956"  <br>"5703755"   "5727153"   "5734154"<br>  "5767896"   "5770849"  <br>"5777903"   "5789732"   "5794210"<br>  "5804806"   "5806044"  <br>"5806045"   "5816918"   "5880769"<br>  "5884271"   "5884278"  <br>"5887271"   "5890135"   "5907831"<br>  "5924078"   "5950173"  <br>"5955961"   "5956694"   "5983200"<br>  "5987132"   "5992888"  <br>"5999908"   "6012038"   "6050494"<br>  "6055509"   "6067526"  <br>"6068183"   "6101477"   "6105002"<br>  "6112988"   "6178407"  <br>"D305023").PN. | US-PGPUB;<br>USPAT;<br>USOCR   | SAME | ON | 2007/02/26 11:17 |
| S26 | 12225 | uncover\$4 with (electric\$4 or<br>conduct\$4 or contact\$4)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/02/26 13:05 |

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|-----|--------|--|--|------|----|------------------|
| S27 | 4388   | chip card display  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/02/26 13:04 |
| S28 | 4      | S26 and S27  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/02/26 13:04 |
| S29 | 574560 | (uncover\$4 or etch\$4 or recess\$4 or hollow\$4) with (electric\$4 or conduct\$4 or contact\$4) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/02/27 14:09 |
| S30 | 259    | S29 and S27  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/02/26 13:10 |
| S31 | 60     | richards-\$drew\$.xp.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/02/26 13:23 |
| S32 | 2341   | (key or chip or smart) card liquid crystal display   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/02/26 13:24 |
| S33 | 895    | (key or chip or smart) near3 card liquid crystal display   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/02/26 13:24 |

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|     |        |  |  |      |    |                  |
|-----|--------|--|--|------|----|------------------|
| S34 | 18     | S33 and manufactur\$4.ti.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/02/26 13:25 |
| S38 | 1      | "11/132943"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/02/26 17:23 |
| S39 | 1      | 11/042408  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/02/26 17:23 |
| S41 | 2      | "4211919".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/02/27 11:59 |
| S42 | 131    | ("4211919").URPN.  | USPAT  | SAME | ON | 2007/02/27 11:59 |
| S43 | 448    | chip card liquid crystal display   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/02/27 11:59 |
| S44 | 4      | S42 and S43  | USPAT  | SAME | ON | 2007/02/27 12:00 |
| S45 | 4      | S42 and S43  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/02/27 12:00 |
| S46 | 574812 | (uncover\$4 or etch\$4 or recess\$4 or hollow\$4) with (electric\$4 or conduct\$4 or contact\$4) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/02/27 14:09 |

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|     |        |  |  |      |    |                  |
|-----|--------|--|--|------|----|------------------|
| S47 | 9670   | S46 same display   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/02/27 14:10 |
| S48 | 2716   | S46 same (liquid crystal display)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/02/27 14:11 |
| S49 | 114    | S48 and (card or (portable data carrier))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/03/01 08:56 |
| S50 | 575252 | (uncover\$4 or etch\$4 or recess\$4 or hollow\$4) with (electric\$4 or conduct\$4 or contact\$4) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/03/01 08:57 |
| S51 | 2718   | S50 same (liquid crystal display)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/03/01 08:57 |
| S52 | 114    | S51 and (card or (portable data carrier))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/03/01 08:57 |
| S53 | 79     | S52 and reflect\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/03/01 08:58 |

## EAST Search History

|     |        |                   |  |      |    |                  |
|-----|--------|-------------------|--|------|----|------------------|
| S54 | 1946   | 349/113.ccls.     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/03/01 09:05 |
| S55 | 408    | 902/26            | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/03/01 09:05 |
| S56 | 181    | 902/26.ccls.      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/03/01 09:06 |
| S57 | 5135   | 235/375.ccls.     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/03/01 09:06 |
| S58 | 45     | S56 and S57       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/03/01 09:08 |
| S63 | 61042  | G06K019\$.ipc.    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/03/01 09:09 |
| S64 | 263357 | G02F001/13\$.ipc. | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/03/01 09:10 |



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|     |      |                   |  |      |    |                  |
|-----|------|-------------------|--|------|----|------------------|
| S65 | 214  | S63 and S64       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/03/01 09:18 |
| S66 | 1591 | 349/58.ccls.      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/03/01 09:18 |
| S67 | 19   | S66 and S54       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/03/01 09:24 |
| S72 | 1    | WO-200133487\$    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/03/01 10:14 |
| S73 | 2    | "5508765".pn.     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/03/01 10:14 |
| S74 | 4    | "3914021".pn.     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/03/01 16:21 |
| S75 | 10   | ("3914021").URPN. | USPAT  | SAME | ON | 2007/03/01 16:17 |
| S76 | 2    | "4042861".pn.     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/03/01 16:21 |
| S77 | 29   | ("4042861").URPN. | USPAT  | SAME | ON | 2007/03/01 16:22 |

## EAST Search History

|     |    |                            |  |      |    |                  |
|-----|----|----------------------------|--|------|----|------------------|
| S78 | 19 | (349/113 and 349/58).ccls. | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/03/06 09:50 |
| S79 | 12 | "5508765"                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/03/06 17:51 |
| S83 | 2  | "11120312"                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2007/03/06 18:50 |